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**Enterprise Computing Solutions - Education Services**

# TRAINING OFFERING

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# Citrix Virtual Apps and Desktops 7 Advanced Deployment, Troubleshooting, Security and Administration

| CODE: | LENGTH: | PRICE: |
|---|---|---|
| CTX-CWS-313 | 24 Hours (3 days) | $3,000.00 |

## Description

Designed for experienced IT professionals this course builds on the foundational implementation and management skills introducing scalability, redundancy and security configurations.
You will learn techniques to investigate many of the common issues that can affect environment health and how to solve issues more effectively in the advanced troubleshooting section. You will leave this course with a good understanding of how to manage more complex solutions such as multi-location environments with configurations around StoreFront, the Delivery Controllers, Cloud Connectors and HDX.

## Objectives

What you'll learn:
- How to implement advanced administration concepts such as backups, disaster recovery, scalability and redundancy for a Citrix Virtual Apps and Desktop 7 Site
- Advanced troubleshooting techniques to troubleshoot Citrix Virtual Apps and Desktop 7
- Security considerations and configurations for Citrix Apps and Desktop 7 site including multi-site management using zones

## Audience

Built for experienced IT Professionals familiar with Citrix Virtual Apps and Desktops 7 in an on-premises environment or Citrix Cloud looking to expand their Citrix Virtual Apps and Desktops skills to an advanced level. Potential students include administrators or engineers responsible for the Citrix Apps and Desktop 7 Site.

## Prerequisites

Citrix recommends students prepare for this course by taking the following course:
CMB-318 - Citrix Virtual Apps and Desktops 7, App Layering, and WEM Administration (Fast-Track) OR
CWS-215 - Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud.

## Programme

Module 1: Implementing Redundancy and Scalability
- StoreFront and Citrix Gateway
- Site Infrastructure
- Machines Running the Virtual Delivery Agent

Module 2: Managing a Virtual Apps and Desktops Environment with Multiple Locations
- Zones
- VDA Registration in a Multi-Zone Environment
- Zone Preference
- Optimal Gateway Routing and Zones
- Managing StoreFront Store Subscriptions in a Multi-Location Environment
- StoreFront and Citrix ADC Branding

Module 3: Implementing Backups and Disaster Recovery Module 4: Implementing Advanced Authentication Methods
- Backups
- Disaster Recovery Considerations
- Disaster Recovery Process
- Multi-factor Authentication - RADIUS & OTP
- Multi-factor Authentication - Smart Card Authentication
- Federated Authentication - ADFS, SAML, and FAS

Module 5: Improving App and Data Security Module 6: Securing Machines Running the Virtual Delivery Agent

- Introduction to Application Security
- Preventing Jailbreak Attacks
- Minimizing the Impact of Attacks

- TLS to VDA Encryption
- GPOs and Citrix Policies
- Image Management

Module 7: Introduction to Troubleshooting

- Troubleshooting Methodology Process    Module 8: Troubleshooting Access Issues
- Resource Tools and Utilities
- Introduction to PowerShell

- Troubleshooting StoreFront
- Troubleshooting Citrix Gateway

Module 9: Troubleshooting Delivery Controller Issues Module 10: Troubleshooting VDA Registration Issues

- Validating FMA Services
- Troubleshooting VDA Registration

Module 11: Troubleshooting HDX Connection Issues

- Troubleshooting HDX Connections

## Test and Certification

This course helps prepares candidates to get the CCP-V certification.

## Session Dates

On request. Please Contact Us

## Additional Information

This training is also available as onsite training. Please contact us to find out more.